

**Amendments to the claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claim 1 (original): A DNA molecule comprising the following elements in a 5' to 3' direction:

- a first restriction endonuclease site,
- a T3 promoter site;
- at least one Tag gene, said Tag gene comprising at least 5 20 mer Tag sequences;
- a Poly A site having at least 21 consecutive A residues, wherein said A residues are on the same strand as said T3 promoter such that when transcription is initiated at the T3 promoter, a Tag RNA transcript is produced having a poly A tail.
- a second restriction endonuclease site which may be the same or different than said first restriction endonuclease site;
- a T7 Promoter on the opposite strand as said T3 promoter.

Claim 2 (original): A DNA molecule according to claim 1 wherein said Tag sequences are selected from Seq. Id. Nos. 1-2050 or their complement.

Claim 3 (currently amended): A DNA molecule according to claim 1 wherein said Tag gene is selected from the group consisting of ~~Tags A, B, C, D, E, F, G, H, I, J, N, O, Q, Tag IN, Tag IQ and Tag IQ-EX SEQ ID NOS. 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2059, 2060, 2061, 2062, 2063, 2064, 2065 and 2066.~~

Claim 4 (currently amended): A DNA molecule according to claim 1 wherein, said first restriction endonuclease site is SphI (gcatgc), said T3 promoter comprises ~~the following sequence aatttaaeeetcaactaaagg SEQ ID NO. 2067; said Tag gene is selected from the group consisting of Tags A, B, C, D, E, F, G, H, I, J, N, O, Q, Tag IN, Tag IQ and Tag IQ-EX SEQ ID NOS. 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2059, 2060, 2061, 2062, 2063, 2064, 2065 and 2066.~~ IS; said second endonuclease site comprises a PstI site (ctgcag); and said T7 promoter comprises ~~tatagtgagtcgttata~~ SEQ ID NO. 2068.

Claim 5 (currently amended): A DNA molecule according to claim 1 comprising the sequence, wherein capitalized bases refer to Tag gene sequence: SEQ ID NO. 2051

gcatgeaaataacccctactaaagggaegtgtaagetggatectetagaATTTGATCGTAACTCGGGTGACCA  
ATGACCATATAACGGCGTATTAAAGGTTGTACCCCTCGGTCTCAACTTGTGCGTATGGGAC  
TTTCAAGTACCTTAGCTCGTCGGACGCCCTAGATGACTTATCCATAGTCCTAAGTCCG  
GCCGCCGTTAAGCCGCTATTAGCGTGTGGACTCTCTCTAGGAGCCGGCTTCGCACA  
AATTACTGCTCAATCCTAGATACGTTGCGCTCTTGGTAAACGGCTCAGATCTTAGC  
ACTCGTGCAGTTCTACGATGGCAAGTCGTGCCTCGTCTCGTGTAGAATATCAGCTA  
ATAGGGTCGGCTAACAGTGTATCCGGTGGACAAGCAACTGACACGCCATGACGTTG  
GTCAAGAGTCGCATAATCTCAGAATCCGTACAGCCGCATGGGTTCACGGCTATAAA  
ACAGCGTCATCAGCGTAGGGTATCGCTTCGGGTGTCATGACTTGGGCCACGTCTCTC  
TCTCGCACATTAGGCTAGATTgtcgacccggaaatcggaaaaaaaaaaaaaaaactgeagegttaccagegt  
teectatagtgagtgatatta.

Claim 6 (currently amended): A DNA molecule according to claim 1 comprising the sequence, wherein capitalized bases refer to Tag gene sequence: SEQ ID NO. 2052

Claim 7 (currently amended): A DNA molecule according to claim 1 comprising the sequence, wherein capitalized bases refer to Tag gene sequence: SEQ ID NO. 2053

gcatgeaattaacctcaactaaagggaacgttaagttggatcttaga**TGTGATAATTCGACGAGGCCTTA**  
**CATATTCTGAGAGGGGTGATTAAGTCTGCTCGGCCCTGGGATGGTCTGTCTACGTGT**

GGTAGTTCTGTCATAGCGTCGAGGATTCTGAACCTGTCCATAGTATCCTGTAAGCG  
TCCAATGTACCTATATCGTGGACCCAAAGTCGATACTGCCATAAGCGACGTTGGT  
CTAGGTAACGAATTATAACCCCTCGGGTTACGAATTATGGCTGTGCCAACGAATCTGG  
GACGTGCCAACGTAATCTGGTCCCGACTAAGATGTACGGTGATCGTGGACGCTTGA  
CCGGACTTATGCCGTCGCCCTCCGAGTTATTGGATGGCGTCCGCTATTGGATACTA  
TTCCGTGCGTGTGCGACACGTTCCGAGGCATATGCTAACAGTTCCGTCACTATGTAAC  
GCTTGACGTAGATTGCTATCAGGTTACGGATGACTGCTAACGCCATTACGGCACATTCT  
GCAAAGTTACGTCGCATTCTCACGTTACGGCTGATTCTCTAGGCTTACGGCATG  
AGCTCTAGGTTCCGGTACTATCGAACGTGTCATTGGTACT~~tgcacccggaaatccggaaaaaaa~~  
~~aaaaaaaaaaaaaaatgcacccgttccctatagtgagtcgtttaa~~.

Claim 8 (currently amended): A DNA molecule according to claim 1 comprising ~~the sequence, herein capitalized bases refer to Tag gene sequence:~~ SEQ ID NO. 2054  
geatgeaaat~~taa~~accctcaactaaagg~~g~~aegegt~~a~~eg~~t~~ttggat~~tt~~at~~ta~~ga~~AT~~AGACTAGCCTGCCGGTCAATA  
ACTGATGACGCCGGAGTC~~AA~~CCTGATAACCCATAGCGGAACAGTCTAACCTACGGCA  
GATA~~CGT~~CTTACCGCACATAGGT~~AA~~CCTATT~~CGT~~GACTAGCAGGCC~~T~~ATTCCGGT~~G~~  
CTATGAGT~~AT~~CTTACCTGGT~~CT~~AGGT~~AT~~CTAATT~~CGT~~GAGT~~CGG~~TACTACATT~~CGT~~  
CGATGGG~~CT~~CGCT~~CGT~~CTATGAGGT~~CT~~CGT~~CT~~CGT~~GAGT~~GCAATGT~~AT~~CCGAA  
GTCGTAGT~~GATA~~ATAT~~GGAA~~CTAGGCCGATTGACGAACGT~~AT~~GCCGC~~AT~~ATT~~CGG~~  
AACGTCGCC~~CT~~GGAAATT~~CGCC~~ACCTAGAT~~CGAA~~ATT~~AT~~CGGAAC~~T~~CGT~~CGCTT~~ATT~~TT~~  
ACGAACCTT~~GGGAGCCGTT~~CTAAAGCTGAGT~~CT~~GGTT~~CT~~TATTAGCGAGGAGC~~AT~~  
TTCGTGAATACTGAGCCGA~~AT~~ATCGTAAGACATCCGAGCGACTGTAAACTAATCG  
GGGAAC~~TT~~ATTATAGAGCCGGTCCAGGT~~CTT~~GAACGACGT~~tgcacccggaaatccggaaaaaaa~~  
~~aaaaaaaaaaaaaaatgcacccgttccctatagtgagtcgtttaa~~.

Claim 9 (currently amended): A DNA molecule according to claim 1 comprising ~~the sequence, wherein capitalized bases refer to Tag gene sequence:~~ SEQ ID NO. 2055  
geatgeaaat~~taa~~accctcaactaaagg~~g~~aegegt~~a~~eg~~t~~ttggat~~tt~~at~~ta~~ga~~CC~~ATCCGATTAA~~AT~~ACCGTGGATT  
ACGTTAAGTTACGGCGGGT~~GACTT~~AGTTAT~~GCGAGGTT~~CGCTTACGTTGCATAGCGG  
ATCGCTTAACCT~~CT~~AT~~CGT~~ACAGCTTACCTACTAT~~CGT~~GCAAGTTACCGAGCTGA  
CGTCGCG~~TT~~AGACAGCT~~AT~~CGTCACGTTAGGACTAT~~GTC~~GAAGCG~~TT~~CGACCA

TGTCGTCTAGCTAATACCTCTGCGTCTCAGTTAATAGTACGGGCAATCCGTTATGTA  
AAGGGTGACCACGTTTCAGAACGCTGCCATATACTTACACAGCAGGCGATCACGTTA  
GATCCACTGCGTCACGTTACCTACATGATCGATCCGATTACAGGCCGATCCATCGGA  
TTACACACGAGTCCTGCACGTTAGAACACTGGCTCGCGGCTTAGATCAGCTCCCTC  
GCTGGAGATCGAATACGCCAGCTWAGAGCGAATTGGGGCGCTTCGACATAATTG  
CCGACGCTTCGACAGAAATTGTAGGCGATTCTAGCCAATTGCACGTCGTATTAGGTAG  
TCACCTCGACCTAGCGTAAGGATCCACCGATCCTAGAGTCGGtegacccggaaatccggaaaa  
aaaaaaaaaaaaaaaaactgeagggcgtaccagegtttccctatagtgagtegtatata.

Claim 10 (currently amended): A DNA molecule according to claim 1 comprising ~~the sequence~~,  
~~wherein capitalized bases refer to Tag gene sequence:~~ SEQ ID NO. 2056

geatgeaatttaacccteactaaagggaegcgtaagttggatctttagaACGCCGGTCACTCAGCATATAAGTC  
GTTGCACCTAGTTGATAGTCGCCGATTCTAGTTATGGCGTCGGATTAGACCCGGATCA  
CCCGGACATGGACGTTAAGTATCCGGCCTGGACGACAATAATTGGCGGTGCCTCA  
CAATATTCCGAGAACTCTGCATCAATTCCGGCTAGTCGTACCTGAACGGGATCAGT  
CGAATCTCTCGTGGCTAGTCTGTGACGTCCTGGTTCATCGTGTCAACCACGGCGTA  
CATGAGTCAAAGTCCGAATAGCTCGCCAAACGTCCGTCTAGCTGGATCAACCTATCC  
CTGAGTCATATGCGTACCAATGGATGGCTCGCTCCCTCCGACTGAGTATGCGTTCTC  
GGACTGGATCAGCTATCCACGAGCTGTAATCCGGTACTAGGGTGTATGCCCTGGTAG  
TAGGTTAGACAGTCGTGACTCGGTTAGACTGATGGTCAACGACCTATACTGACAGC  
ATACGAGACGTGACGACTGCATAGTGGTCGGTCTGACACATCTCCTCGTGGTAGTA  
CGTCCCCGTATGGATAGGGCTCTAGCCCGCTATGGTAGTCTAATGCCGTTGGTC  
TGTATGCAGTGGGTATGGTCTCTCAGTCACGTATGGTCGGTCTGTCCTGATG  
TGTAGATGCtegacccggaaatccggaaaaaaaaaaaaaaaaactgeagggcgtaccagegtttccctatagtgagtegtatata.

Claim 11 (currently amended): A DNA molecule according to claim 1 comprising ~~the sequence~~,  
~~wherein capitalized bases refer to Tag gene sequence:~~ SEQ ID NO. 2057

geatgeaatttaacccteactaaagggaegcgtaagttggatctttagaATGCAGCGTAGGTATCGACTCTCA  
CTGTGGAGTCGTCTATGATGTCGTGGAGTCCTCTCAGAGTCGTAGGTCTCATAG  
GTCGTGCTGTCTCTACACGCCGTGCGTGAGTCACATTCTGCGAGTTGGTGCTCTC

ACTGCGGTGTCAGTGATCTCTCCGCGTGTGACATGAGTCTAGCTTCGGCGTCATGGT  
CTATCCCAGCGATGGATGAGACTACTCTGTACTAGATGGTCATGCCTGCCAATGAGT  
CGTCAGTGCCAACAAATGTCTCGATACTGCGCCGAATGTGTCTGTAATGCCTCGAATG  
TGTAAATCGTCAACTCGTATGTGAAGTGCTAGGCTAGTATTGACATCTACGGGGGGCT  
ATTGACGAACTCTCCGGTATATGCTCTACATCTGCAGGGAATTGCCGACCATATATG  
GGTCTTGCTGATAACGCTAGGGTGCTTGCTACTTAGATAGGCGTCTTGGCCGCTATTG  
GGGGCGTGTCTCAGAATATGCCGACGTGTCTGGTATATGGCGACTGTGTCCGTCTA  
TACGCATACTGGTCCACATATAGACATACTTCCACGACATGACAAAGCGTGCTCCTA  
CATAGCACCGAGGGTCTCCTAAATAGATCCGGTCTTATCGCTGAATGTCTAGGATTCT  
CGTCAATGATCTACGATCCTCGCTAAGTATTAGCCACCTCGTATAGTATTGGCGCA  
CCTGAGGATTATTACCTGACTCGCGTATAATATGCCGTACCTAGTCTAgtcgacccgg  
gaattccggaaaaaaaaaaaaaaaactgeaggegtaccagegttccctatagtgagtegtatta.

Claim 12 (currently amended): A DNA molecule according to claim 1 comprising ~~the sequence~~,  
wherein capitalized bases refer to Tag gene sequence: SEQ ID NO. 2058  
geatgeaaatttaaccccteactaaagggaeggegtaaegtggateetetagaGATATGCGTTACGTGAGTCTGATA  
GGAGTTCACTACCTGGATATCTGATCCACTAGCTCGATCATGCTCACCCATAGTTAT  
CTGCATCACTCGTACTGAAATGCTCACATCGCAGGTAGAGCAGCATCGTAGAGCGTC  
AAGCTGCATCCTAGCGTCATGAGTCATAGTACCTCATGCTCACGTGATCTACCCCTAG  
CTGACCGCTAATGACGGCAGTGCACCTGAGATAACCGACGGCATACTGTCGTCAAC  
GTCAGGCAATGTGTCCGAACGGCGAGCTACGTCCCTCACGGAGTAATGCCGTCCCT  
CTAGGTATAGTGCCGTGGTTCAAGGTATATGTCGGGGTTCTGCACATATCACCGA  
CGTATCGCTATCAGACGGACGGCTCTCGGACCTAAACCGTAGCTCTCGGCAAGATCGT  
CCTCGTCTCGAATATAGCGCCCTAGTGCTGCAAATGTCACCGCTATCTCGTAAGGGG  
TCCGTCTGTTGAGTTAGGCCCTCCTCTCGTGGATGTGAGCTCGGTTGCTTGGATGGTG  
CAGCTTACTTCGGTACCTGCTGTTGCATCAGTCCTCTGCATCTATAATCGCGTATC  
TCTCTCTAGTAGACCATAAGCCATCTAAGCGCTCGATATTCCACCTAAAGTGGCGCC  
TATTGAACTAAGTGGCAGCCGAATGGACTATCGCTCCTCGATATGTACGGATAGGCC  
ACGGCAGTGTACCGAGCATAAGCCGAAC TGCA CGAGCATAACCGACACTGATCTGAGA  
GTCGCTTAAATCATCTCGCGTGTCTAGAGCTTATGCCATGTCTGCAACTGTACTGT

CATCCTGTAACGTAGCGTATGTG~~gtcgacccggaaatccggaaaaaaaaaaaaa~~atgcaggcgt  
caatgcggatccatagtgagtcgttatta.

Claim 13 (currently amended): A DNA molecule according to claim 1 comprising the sequence, wherein capitalized bases refer to Tag gene sequence: SEQ ID NO. 2059

catgcggatccatagtcgttatta  
GATAAAGCGTTCACAGCTCGGCAA  
TACCTGTGACGGAGCTGCTCGCAAGATTACGGAGTGTGGCTATACTTGACAGTGATG  
GGGCTTACTTCAGATGTATGGGTGATACTTCGCTATATGGGTGGTCACTTCTCTATGG  
CCCGTGACAATGTAATGGAGCGGTCAATGTCAGTACGGATCGCGTCGATCTAGGT  
GACTACGCCACGCCCTCTGGAGTAAATCGARWGCTCCGTGCGAAATACGGCGGTACCG  
TGGGAATAACCGAGTCATCGTGAGTAGTATGAACGTGTCGTATGCAGCGGTATG  
TCGTGCTATAATGGCGTCTGTCGTGCTCATAGGTTCTCTGATGTGCTAGACGTGTC  
CATCGAGCTGCATAGCTATACTTCGAGTCACCTGGGATACTTCGATAGCGTTGTGAA  
TAGTGTGCTAGGCTCTCGGGCACGTTGYAAACTGTTGCCGCCAATTCAAGATTAGT  
CCAGCTCGTACTATCGAACACACCATCGTCGTATCGAACATCGCACCTCGTAGGAG  
TCAGTTGCCACTCGTTGATAGTCACCCAAGCTCGTTAGATAGTAGCCCAGATCCTAC  
GAGATGAGCTACGTAACACTACAGTGATAGCATATAGGGTACGCTAGAACATGCCAGGTC  
GTAGTCGAATTAGTCAGGTTGGATGTCTACTAGTTGACTTGGAGTATGCCATGAAGA  
CTCGTCCCTCGATATCAAAACTCGTCCGGCAGGTGAACACTGTAGTCGGTGTAGTGC  
CCACTTCTCGGTATGTGTCCTCAATTATCGAGTAGGATTCTAATCAATCGTCGCGGCT  
CACTAATYGTCTGGGGTGGCTACTAATGGTTACGGTGCCTGACTAACATCGTGTAGGTG  
TCTAATACATCGTGATACGGGCGATATAATGCTCGATACGGCAAATATAGCTCCGTC  
CGGT~~gtcgacccggaaatccggaaaaaaaaaaaaa~~atgcaggcgt  
caatgcggatccatagtgagtcgttatta.

Claim 14 (currently amended): A DNA molecule according to claim 1 comprising the sequence, wherein capitalized bases refer to Tag gene sequence: SEQ ID NO. 2060

catgcggatccatagtcgttatta  
CAATGATAGGCTAGTCTCGCGCA  
GTACATGGTAGTTCAAGCCAATAGATGCCTAGTACGCTGACGGCATTCAAGACTACGCT  
GATCGGCTTATGACGTATGTGACGGCAGCTCTAGCGCAATGTATGTGCTGTTATCGA  
AGCCTATGGCTGAGTATGTAACGCTATGGCGTGTAGTCGTCTCATATACGTCTGAT  
GACCTCGTATCATGTTATAGGGCTGCGAACTGTCGATGGTCACGACTCTGTCGA

TAGCTGTGTGACTCATTAGAAGGTGTGCAGCCTATATGATAACCGAGTCGCATCCTA  
TCTTACGTGTCAGTACTATGTGTGAGTGCTCCGCCCTAGTGCTGATGTATGCCCTATA  
GTGCTCAGTGGAGTCTCTCTTAGCATAGTGTCCGCTCATACATTAGATGGACGGCTG  
ATTAGTATCATCGTCGGCTGATATAGGTGTTGGCTCCCTGTATATCGAGGTGAGTCT  
ATCTGGATCAACGTCGCACTATGATGTGCAAAGTGTGTCCTACGTATAGACAGTGC  
CGTATCATATAGGATGCCCGATCTCATACAGCGTTACGGTCGCTGCGTACTGTATA  
AGGATGCTCTGTGAAGTGTACATCGTCAGTGTGGATCAATTACAGTTAGGCCGCTGACACA  
TTAGTAACGTCGGCAAGCACTTAGTCGTGCGTAAGCCAGTGTGTCGTCTAGAC  
GACTGTGTTGATTCTCGAGCGATTTATACATCCGTGACAGCGTTATAGTGTGCTG  
ACAGACTGGTGGTTATCCAATGATCGACCTGGAGTCTAAATATCTGACCAACGCCCTG  
TAATCGTATGACACCGCGCTGACACGACTGAATCCAGCTTAAGAGGCCCTGCAACGC  
GATATACAGGCCGCTGCTACCGATAATgtcgacccggaaatteggaaaaaaaaaaaaaaaactgeaggg  
taceagctttccctataagtgagtcgttta.

Claim 15 (currently amended): A DNA molecule according to claim 1 comprising ~~the sequence~~,  
wherein capitalized bases refer to Tag gene sequence: SEQ ID NO. 2061

geatgeaaatttaacccteactaaagggaegaegegtacgtaaatggateetetagaAGATCGCAGGGTATCGCATTGAC  
AGACCTGGTATCGTCGTGACGAACGTGCTACTCGCTTATCGGCCCTGCTACATCAGT  
GGCGATGTTCTGTAACCCTTAGCCGATCTCTTACTTACGGAGGCTACTATTCGATCAA  
ACTCGCCTATCTGGTAATAACTGCGGTGATCTGGTAGCCACTACGTGCCCTGGTAG  
CAAATACGGCGAGCTGGTATCACTATCGGCTCAGTGGTCCGACATAGTGCCAGTGG  
TTCGGATAACTGCCGCTGGTCCAATATAACACCGCAGTCGTCAATCATACGAGCCGA  
TGGTCAGCAATAGCCGCTGTGGTGACACTATGCCACCTCTGGTCTAATATAGCCGCC  
TGTGGTCGTATAATCGAGCCGTAATCGTATATYCGACTGTAGGTGCGTAACTCGCG  
ACTAGGTGGCTCAATCTCGGTGGTGTGCTCACAGTGTCTGGTGTTCGATAACCCG  
GATCGGGTTCCGTAATCTGGCATCGAGGTTTCTGACATGTCACCGCGCTCGTTCA  
TCTCGGTGGTGTGCTCAGTACATCCAGTGGTGAGTCGCTACATCACACGGTATCCGGC  
TAAACCTCTGGCATCCGTATTAAGCGACATTCCCTACGACTTATCAGCACGTCCTAC  
GGTATAACAAGGCCTGCTACGGCTAACGACCGCTGGTAGCAGTCTATCAGATCGCTA  
GTACGAGTTAGAGATGCTTAGTACGCCCTCGAATCTATGATGCTCGTGTACCGCGA

TGCACTCGGATTATGGCACATGCACTCGCGTAATGACGCTGCATCGCTCAGTATGAT  
CCATGAGGCCGTGAATGACGCATGAGCCTCGTATCGAGTGCATGAGCTGTCTTCAT  
CATGATAACATCGCTCTAAATCATCATGCGACAGTCTCGACAGCAGCTCAGCATCTAT  
GCATCATGTGCCTCACTAGGACATCATGCTCGACTCTGAGACACTGATCGAGCATT  
AGACgtcgacccggaaatcggaaaaaaaaaaaaactgeagggtaaccagcttccctatagtgagtcgttattta.

Claim 16 (currently amended): A DNA molecule according to claim 1 comprising ~~the sequence~~,  
~~wherein capitalized bases refer to Tag gene sequence: SEQ ID NO. 2062~~

gtatgeaaattaacccctactaaagagaegtaegtaagttggateetetagaCTCTGTGTATGATCGTGAGTTGT  
CCGAGTGTCTGTACCAATACTCTGGTGGAGCTATATAAGCCGCTGTTGCGTAAATCA  
ACGGCATGATCCCTATGACCGCGTCATGCTAACTGATAACACGCTGCTCGAACAGTGA  
TACGGCACACTGATAACTATGCCAGACGCTTGAAACGATGTGACATCGCTTAGAG  
TATGAGCCGCAATGCACGACTGATACTCGATATGAGCAGCAGTCGGCTATGATTGC  
AATGCTTGCAGTATGTATCCTGATCGTGGCTGCGATGTCTGATAATACGCTCGCATG  
ATATGTATTGCGCTCAGATGCTGGAGATATGCCATGCGCTGTCAGTATGCCATGT  
ATGCTGATATGTCGCGATCTATGTGGTGAATGAGATCCATGTGATGACGTTGCAG  
TCTCTGTGACCTTATCGACCGCGATGTGAGCCTATAGACAGCGATGTGAGCACTCTC  
ATCTGCGGATCAGTCTATCCTCGCTGATGCTCAGTGATAACACGCTGATGCACGTAGT  
GAGCATTGCTGCTCGCATATAACCGCTGCTGCACTGATAATGAGCCAGTGCTGCTGCT  
CTCTACGGAGTGTGCTCGGCTATAACAGCGAGTGCTACGCCCTAAACTGGCTGTCTAG  
CACTGTAGCTGGTGCATGTACTCGACTGCCGCTGCATCTACTATAAGACTCTGACAT  
TAGCGTATAGGCTGATACTAGCTCGGATGCTATCAGCTTGGCCTATTATATGCC  
TGACGGGGGATCTATCAGAACGACTCGGTAGCTCATATACTGGATCACGGTGCCACA  
ACATGCTACACGAGGTCTCAGACTCTATCCCCTGGACTCAACGTGCATCTGCTATGC  
TGAGCGCGTATCTGTGTACCTGTCGATGCTCTGATCTACACTGCCGTGATCGTTATA  
TGACGGAGACTGTGCGCTCATAGCCGACACTGTGCTCGATAAGACCACGGCTGTGCGG  
ATATAgtcgacccggaaatcggaaaaaaaaaaaaactgeagggtaaccagcttccctatagtgagtcgttattta.

Claim 17 (currently amended): A DNA molecule according to claim 1 comprising ~~the sequence~~,  
~~wherein capitalized bases refer to Tag gene sequence: SEQ ID NO. 2063~~

geatgeaatttaacccteactaaagggaegtgtaagttggateetctagaCTAGTGCATCCTCGTGGCATCATG  
CGTCTCCTCAGTAGGTCTGCGACTGATCCTAGTGCAATGCGTCTGAGCCTGAGCTAC  
AGCGATATAGCCTGGATTGTGAGCGTATTGCTGTCAGAACCTCAGCTCATCATGTA  
TGATGCTGTACCATCCTGCGATACTGAAGATGCACCGCTATAATGCGAGGCTCTCCG  
CTAAAGTGGAAAGCTGCTCGTCTCAATGCGAGCGACTCGAATCCAATGCCGTAGCTG  
CGATAACGATGCCGCTGACTCTACGGTAATGCACGATCCTCTACATTGATAGCAGAT  
AGTCTAACGGGATAGCATAGGTGCAAGGCTCCTAGCATGTAGTCACAGGTGCTCAG  
ATATAGTCATCGCTGCAATCAGCTAGTCATCTGTCAGGATGCTACTCACTGCGTGC  
AGAAGATTGGCACGACTTCAGAGGATGGCACTCGTCATTAGACTGATGTTCTCGGAT  
CGACACTGCTGGTCTGCGAATGACTCGCATTCACTAACATGGAGCATCGTTATCTAA  
AGGGGATGGCACGTTATCGTCGAGTGGCCGTCATGTCTATGCAGTGCGGGCTATGTCT  
CATTAGCGAGTCGTATGTATCATGTCGGGCTCGAATGTTGCACACGTCTGCGTAATG  
GTGACCGCTAGTCCCASATGGTGCTTCGTAGCCACAAATGTCGTTAGGTAGACCGAC  
GTTATCGCGCTATAACCGATGTCAACCGAGTTAGACCGTATCGTCCCCAGTGCCCT  
AAGATGGTCAAGCGTGCCTACGTTAGTATCAGTTCCCTATTGGTACGTCTGGCG  
TACTTCTGAAACGTGATGGCGGCTGGTTACCCGTATATGGGCTCGGTTGACCTCTA  
TTGGCGTTGTTGACCCGAATTGGTATCCTCGTCGTTAAATGGCGAACGTGCTG  
CTATAGGCAAACGTCTGTCGGTCATGGCAAATGTTACTCGTGTGCAAGAAATTAC  
TCGCTGTCgt~~geatgeaatttaacccteactaaagggaegtgtaagttggateetctaga~~actgcagggatccggaaaaaaaaaaaaaaaactgcagggatccctatagtgagtgatatta.

Claim 18 (currently amended): A DNA molecule according to claim 1 comprising the sequence, wherein capitalized bases refer to Tag gene sequence: SEQ ID NO. 2064

geatgeaatttaacccteactaaagggaegtgtaagttGATAAGCGTTCACAGCTCGGCAATACCTGTG  
ACGAGCTGCTCGCAAGATTACGGAGTGTGGCTATACTTGACAGTGATGGCGCTTAC  
TTCAGATGTATGGGTGATACTTCGCTATATGGGTGGTCACTTCTCTATGGCGCGTGA  
CAATGTACTATGGAGCGGTCAATGTCAGTACGGATCGCGTCGATCTAGGTGACTACG  
CACGCCCTGGAGTAAATCGAGTGCTCCGTGCGAAATACGCGGTCATCGTGCGAATA  
ACCGAGTCATCGTGAGTAGTATGAACGTGTCGTGTTATGCAGCGGTATGTCGTGCTA  
TAATGGCGTCTGTCGTGCTCATAAGGTTCTCTGATGTGCTAGACGTGTCATCGAG  
CTGCATAGCTATACTCGAGTCACTTGGGATACTCGATAGCGTTGTAATAGTGTG  
GTAGGCTCTCGGGCACGTTGTTAAACTGTTGCCCAATTCAAGATTAGTCCAGCTC

GTACTATCGAATAACACCATCGTCGTATCGAATAATCGCACCTCGTAGGAGTCAGTTG  
CCACTCGTTGATAGTCAACCAAGCTCGTTAGATAGTAGGCCAGATCCTACGAGATGA  
GCTACGTAACACTACAGTGATAGCATATAGGGTACGCTAGAATGCCAGGTAGTCG  
AATTAGTCAGGTTGGATGTCTACTAGTTGACTTGGAGTATGCCATGAAGACTCGTCC  
CTCGATATCAAACTCGTCCGCAGGTGAACACTGTAGTCGGTGCTAGTCCCCACTTC  
TCGGTATGTGTCCTCAATTATCGAGTAGGATTCTAATCAATCGTCGGGCTCACTAA  
TTGTCTGGGGTGGCTACTAATGGTTACGGTGCCCTGACTAATCGTGTAGGTGTCTAAT  
ACATCGTGATACGGCGATATAATGCTCGATACGGCAAATATAGCTCCGTCCGGTGG  
ATCCAGATCGCAGGGTATCGCATCGACAGACCTGGTATCGTCGTGACGAACGTGCTA  
CTCGCTTATCGGGCCTGCTACATCAGTGGCGATGTTGTAACCCCTAGCCGATCTCT  
TACTTACGAGGGCTACTATTGATCAAACCTCGCCTATCTGGTAATAACTGCGGTGATC  
TGGTAGCCACTACGTGCCCTGGTAGCAAATACGGCGAGCTGGTATCACTATCGGCT  
CACTGGTCCGACATAGTCCCCAGTGGTCGCATAACTGCCGCTGGTCCAATATAAC  
ACGGAGTCGTCAATCATACGAGGCCATGGTCAGCAATAGCCGCTGTGGTGACACTAT  
GCCACCTCTGGTCTAATATAAGGCCCTGTGGTCGTATAATCGAGGCCGTAATCGTAT  
ATCCGACTGTAGGTGCGTAACTCGCGACTAGGTGGCTCTAATCTCGTTGGTTGTCG  
CTCACAGTGTCTGGTGGTCACTGGGATACGGGTTCCGTAATCTGGCATCGAGGT  
TTCGTACATGTCACGCCGCTCGTCATTCTCGGTGGTGCTCAGTACATCCAGTGGTG  
AGTCGCTACATCACACGGTGAATCCGGCTAAACCTCTGGGATCCGTATTAAGCGACA  
TTCCTACGACTTATCAGCACGTCCCTACGGTATAACAAGGGTGCCTACGGTCTAACGA  
CGCTGGTAGCAGTCTATCAGATCGCTAGTACGAGTTAGAGATGCTTAGTACGCCCTC  
GAATCTATGATGCTCGTGCTCACGCCATGCACCTCGGATTATGGCACATGCACTCGCG  
TAATGACGCTGCATCGCTCAGTATGATCCATGAGGCCGCTGAATGACGCCATGAGCCT  
CGTATCGAGTGCATGAGCTGTCTTCACATGATACTCGCTCTAAATCATCATGCCA  
CAGTCTCGACAGGAGCTCAGCATCTATGCATGTGCCCTCACTAGGACATCATGCT  
CGACTCTGAGACACTGATCGAGGATTAAGACttagagegggeggcactagtgagetegtegaccccccggg  
aatteggaaaaaaaaaaaaaaaaaaaaactgeaggegtaccagegtttccctatagtgagtegtattaa.

Claim 19 (currently amended): A DNA molecule according to claim 1 comprising ~~the sequence~~,  
wherein capitalized bases refer to Tag gene sequence: SEQ ID NO. 2065

geatgeaaatttaacccetaactaaagggaegtaegagettGATAAGCGTTCACAGCTCGGCAATACCTGTG  
ACGAGCTGCTCGCAAGATTACGCAGTGTGGCTATACTTGACAGTGATGGCGCTTAC  
TTCAAGATGTATGGGTGATACTTCGCTATATGGGTGGTCACCTCTCTATGGCGCGTGA  
CAATGTACTATGGAGCGGTCAATGTCAGTACGGATCGCGTCGATCTAGGTGACTACG  
CACGCCCTCTGGAGTAAATCGAGTGCTCCGTGCGAAATACGCCGTATCGTGCAGAATA  
ACCGAGTCATCGTGAGTAGTATGAACGTGTCGTGTTATGCAGCGGTATGTCGTGCTA  
TAATGGCGTCTGTCGTGCTCATAAGGTTCCCTCTGATGTGCTAGACGTGTCATCGAG  
CTGCATAGCTATACTCGAGTCACTTGGGATACCTCGATAGCGTTGTGAATAGTGTG  
GTAGGGCTCTCGGGCACGGTGTAAACTGTTGCCGCCAATTCAAGATTAGTCCAGCTC  
GTACTATCGAACATACACCATCGTCGTATCGAACATAATCGCACCTCGTAGGAGTCAGTTG  
CCACTCGTTGATAGTCACCCAAGCTCGTAGATAGTAGCCCAGATCCTACGAGATGA  
GCTACGTAACTACAGTGATAGCATATAGGGTACGCTAGAACATGCCAGGTGCTAGTCG  
AATTAGTCAGGTGGATGTTACTAGTTGACTTGGACTATGCCATGAAGAACTCGTCC  
CTCGATATCAAATACTCGTCCGCAGGTGAACACTGTAGTCGGTGCCTAGTCCCCACTTC  
TCGGTATGTGTCCTCAATTATCGAGTAGGATTCTAATCAAATCGTCGGCGTCACTAA  
TTGTCTGCCGTGGCTACTAATGGTTACGGTGCCTGACTAACATCGTGTAGGTGTCTAAT  
ACATCGTGATACGGCGATATAATGCTCGATACGGAAATATAGCTCCGTCCGGTGG  
ATCCAGATCGCAGGGTATCGCATCGACAGACACTGGTATCGTCGTGACGAAACGTGCTA  
CTCGCTTATCGGGCCTGCTACATCAGTGGCGATGTTGTAACCCCTAGCCGATCTTCT  
TACTTACGAGGCTACTATTGATCAAACACTCGCCTATCTGGTAATAACTGCGGTGATC  
TGGTAGCCACTACGTGCCCTGGTAGCAAATACGGCGAGCTGGTATCACTATCGGCT  
CAGTGGTCCGACATAGTCCCAGTGGTCGCATAACTGCCGCTGGTCCAATATAAC  
ACGCAGTCGTCAATCATACGAGCCGATGGTCAGCAATAGCCCTGTGGTGACACTAT  
GCCACCTCTGGTCTAATATAAGCCCTGTGGTCGTATAATCGAGCGCGTAATCGTAT  
ATCCGACTGTAGGTGCGTAACTCGCGACTAGGTGGCTCTAACATCGCGTGGTTGTCG  
CTCACAGTGTCTGGTGTGATACCCGGATCGGGTCCGTAATCTGGCATCGAGGT  
TTCGTACATGTCACGCCGTCTCGTTCAATTCTCGGTGGTGCCTAGTACATCCAGTGGT  
AGTCGCTACATCACACGGTATCCGGCTAAACCTCTGGGATCCGTATTAAGCGACA  
TTCCCTACGACTTATCAGCACGTCTACGGTATAACAAGGGCGTACGGTCTAACGA  
CGCTGGTAGCAGTCTATCAGATCGCTAGTACGAGTTAGAGATGCTTAGTACGCCCTC  
GAATCTATGATGCTCGTGCTCACGCCGATGCACCTGGATTATGGCACATGCACTCGCG

TAATGACGCTGCATCGCTCAGTATGATCCATGAGCGCCGTGAATGACGGCATGAGCCT  
CGTATCGAGTGCATGAGCTGTCTTCACATGATA~~CATCGCTCTAAATCATCGCA~~  
CAGTCTCGACAGCAGCTCAGGATCTATGCATCATGTGCCCTCACTAGGACATCATGCT  
CGACTCTGAGACACTGATCGAGGATTAAGACTCTAGACTCTGTGCCATGATCGTGAG  
TTGTCGGAGTGTCTGTACCA~~AATACTCTGGTGGAGCTATAAAGCCGCTGTTGCGTAA~~  
ATCAACGGCATGATCCCTATGACCGCGT~~CATGCTAACTGATA~~ACACGCTGCTCGAAC  
GTGATAACGGCACACTGATAACTATGCCAGACGCC~~TGAAACGATGTGACATCGCTCT~~  
AGAGTATGAGCCGCAATGCACGACTGATA~~ACTCGATATGAGCAGCAGTCGGCTATGA~~  
TTGCAATGCTTGCAGTATGTATCCTGATCGTGC~~GCGATGTCTGATAAATACGCTCG~~  
CATGATA~~TGTATTGCGCTCAGATGCTGGAGATATGCCATGCGTGTGTCAGTATGCC~~  
ATGTATGCTGATA~~TGTGGCGATCTATGTGGTGACTATGAGATCCATGTGATGACGTT~~  
GCAGTCTCTGTGACCTTATGACCGCGATGTGAGCCT~~TATAGACAGCAGTCAGTGCACG~~  
~~TCTCATCTGGGATCAGTCTATCCTCGCTGATGCTCAGTGATA~~ACACGCTGATGCAAG  
TAGTGAGCATCCTGTGCTCGCATATAACCGCTGCTGC~~ACTGATA~~TGAGCCAGTGCTGC  
TGCTCTCTACGGAGTGTGCTCGCTATAAACAGCGAGT~~GCTACGCC~~AAACTGGCTGT  
CTAGCACTGTAGCTGGTGCATGTACTCGACTGCCGCTGC~~ATCTACTATAAGACTCTG~~  
ACATTAGCGTATAAGGCTGATA~~CATTAGCTCGGATGCTATCAGCTTGC~~CCCTATTATA  
TGCCTGACGGGGGATCTATCAGAACGACTCGGTAGCTCATATAACTGGATCACGGTGC  
CACAAACATGCTACACGAGGTCTCAGACTCTATCCC~~GTGGACTCAACGTGCATCTGCT~~  
ATGCTGAGCGCGTATCTGTGTACCTGTCCGATGCTCTGATCTACACTGCCG~~TGATCGT~~  
TATATGACGAGACTGTGGC~~CTCATAGCCGACACTGTGCTCGATAAAGACCACGCTGTG~~  
CGGATATAGTCGACCTAGTGCATCCTCGTGGCATCATGGCTCTCCTCAGTAGGTCTG  
CGACTGATCCTAGTGCAATGCC~~TCTGAGCCTGAGCTACAGCGATA~~TAGCCTGGATTG  
TGAGCGTATTGCTGTCAGAACCTCAGCTCATGTATGATGCTGTACC~~ATCCTGC~~  
GATACTGAAGATGCACCGCTATAATGCCAGGGCTCTCCGCTAAAGTGGAGCTGCTC  
GTTCTCAATGCGAGCGAGTCGAATCCAATGCC~~TAGCTGCGATAACGATGCCGCTGA~~  
CTCTACGGTAATGCACGATCCTCTACATTGATA~~GGCAGATAGTCTAACGGGATAGCAT~~  
AGGTGCAAGGCTCCTAGGATGTAGTCACAGGTGCTCAGATA~~TAGTCATCGCTGCAAT~~  
CAGCTAGTCATCTGTCAGGATGCTACTCACTGCC~~TGCAGAAGATTGACACACTG~~  
AGAGGATGGCACTCGTCATTAGAGT~~GATGTTCTCGGATCGACACTGCTGGTCTGCGA~~  
ATGACTCGCATTCACTAACATGGAGC~~ATCGTTATCTAAAGGGGATGCACGTTATCGT~~

CGAGTGGCCGTATGTCATGCAGTGGCCCTATGTCTCATTAGCGAGTCGTATGTA  
TCATGTCGGGCTCGAATGTTGCACACGTCTGCCATAATGGTAGACCGCTAGTCCCACAT  
GGTGCTTCGTAGGCCACAAATGTCGTTAGGTAGACCGACGTTATCGCCCTATACCCGA  
TGTCAACCGCAGTTAGACCGTATCGTCCCCAGTGCCCTAAGATGGTCAAGCGTGCTC  
CTACGTTAGTATCAGTTCCTATTGGTACGTCTGGCGTACTTCTGAAACGTGATGGG  
CGGCTGGTTACCCGTATATGGGCTCGGTTGACCTCTATTGGCGTTGTTGACCC~~gaatte~~  
~~egaaaaaaaaaaaaaaaaaaaaactgcaggegtaccagegtttccctatagtgagtegttta.~~

Claim 20 (original): A DNA molecule according to claim 1 further comprising at least two additional restriction sites.

Claim 21 (currently amended): A DNA molecule according to claim 20 comprising ~~the sequence wherein capitalized bases refer to Tag gene sequence:~~ SEQ ID NO. 2066

~~geatgeaaatttaacccctaactaaaggaaegegttaagettGATAAGCGTTCACAGCTGGCAATACCTGTG~~  
~~ACGAGCTGCTCGCAAGATTACCGAGTGTGGCTATACTTGACAGTGATGGCGCTTAC~~  
~~TTCAGATGTATGGGTGATACTTCGCTATATGGGTGGTCACTTCTCTATGGCGCGTGA~~  
~~CAATGTACTATGGAGCGGTCAATGTCAGTACGGATCGCGTCGATCTAGGTGACTACG~~  
~~CACGCCTCTGGAGTAAATCGAGTGCTCCGTGCCAAATACGCGGTATCGTGCATA~~  
~~ACCGAGTCATCGTGACTAGTATGAACGTGTCGTGTTATGCAGCGGTATGTCGTGCTA~~  
~~TAATGGCGTCTGTCGTGCTCATAAAGGTTCTCTGATGTGCTAGACGTGTCATCGAG~~  
~~CTGCATAGCTATACTCGAGTCACGGATAGCGTTGATAGCTAGGAGTCAGTTG~~  
~~GTAGGCTCTCGGGCACGGTAAACTGTTGCCCAATTCAAGATTAGTCCAGCTC~~  
~~GTACTATCGAATAACACCATCGTCGTATCGAATAATCGCACCTCGTAGGAGTCAGTTG~~  
~~CCACTCGTTGATAGTCAACCAAGCTCGTTAGATAGTAGCCAGATCCTACGAGATGA~~  
~~GCTACGTAACCTACAGTGATAGCATATAGGGTACGCTAGAATGCCAGGTGCTAGTCG~~  
~~AATTAGTCAGGTTGGATGTCTACTAGTTGACTTGGAGTATGCCATGAAGACTCGTCC~~  
~~CTCGATATCAATACTCGTCCGCAGGTGAACACTGTAGTCGGTGCTAGTGCCTACCTC~~  
~~TGGTATGTCCTCAATTATCGAGTAGGATTCTAATCAATCGTCGGCGTCACTAA~~

TTGTCTGCGGTGGCTACTAATGGTTACGGTGCCTGACTAATCGTGTAGGTGTCTAAT  
ACATCGTGATAACGGCGATATAATGCTCGATACGGCAAATATACTCCGTCCGGTGG  
ATCCAGATCGCAGGGTATCGCATCGACAGACCTGGTATCGTCGTGACGAACGTGCTA  
CTCGCTTATCGGGCCTGCTACATCAGTGGCGATGTTGTAACCCTTAGCCGATCTTCT  
TACTTACGAGGGCTACTATTGATCAAACCTGGCTATCTGGTAATAACTGGGTGATC  
TGGTAGCCACTACGTGCCCTGGTAGCAAATACGGCGAGCTGGTATCACTATGGCT  
CAGTGGTCCGACATAGTCCCCAGTGGTTCGATAACTGCCCTGGTCCAATATAAC  
ACGGAGTCGTCAATCATACGAGCCGATGGTCAGCAATAGGCCCTGGTACACTAT  
GCCACCTCTGGTCTAATATAAGGCCCTGGTCTGATAATCGAGGGCTAATCGTAT  
ATCCGACTGTAGGTGCCGTAACCTGGCACTAGGTGGCTCTAATCTGGTGGTGTG  
CTCACAGTGTCTGGTGGATACCCGGATGGGTTCCGTAATCTGGATCGAGGT  
TTCGTACATGTCACGCCGTCTCGTTCAATTCTCGGTGGTGTCACTACATCCAGTGGT  
AGTCGCTACATCACACGGTGTACCGGCTAAACCTCTGGCATCCGTATTAAGGGACA  
TTCCTACGACTTATCAGCACGTCTACGGTATAACAAGGGCTACGGCTAACGA  
CGCTGGTAGCAGTCTATCAGATCGCTAGTACGAGTTAGAGATGCTTAGTACGCCCTC  
GAATCTATGATGCTCGTGCTCACCGCATGCACCTGGATTATGGCACATGCACTCGCG  
TAATGACGCTGCATCGCTCAGTATGATCCATGAGCGCCGTGAATGACGGCATGAGCCT  
CGTATCGAGTGCATGAGCTGTCTTCACATGATACTCGCTCTAAATCATCATGGCA  
CAGTCTCGACAGCAGCTCAGCATCTATGCATCATGTGCCCTCACTAGGACATCATGCT  
CGACTCTGAGACACTGATCGAGGATTAAGACTCTAGACTCTGTGCCATGATCGTGAG  
TTGTGGCAGTGTCTGTACCAATACTCTGGTGGAGCTATATAAGGGCTGGTAA  
ATCAACGGCATGATCCCTATGACCGCGTATGCTAACTGATAACACGCTGCTCGAAC  
GTGATACGGCACACTGATAACTATGCGCAGACGCTTGAAACGGATGTGACATCGCTTCT  
AGAGTATGAGCCGCAATGCACGACTGATACTCGATATGAGCAGCAGTGGCTATGA  
TTTGCATGCTTGCACTATGTATCCTGATCGTGCCTGCGATGTCTGATAATACGCTCG  
CATGATATGTATTGCGCTCAGATGCTGGAGATATGCCATGCGCTGTCACTATGCC  
ATGTATGCTGATATGTCGCGATCTATGTGGTGAATGAGATCCATGTGATGACGTT  
GGAGTCTCTGTGACCTTATCGACGGCGATGTGAGCCTATAGACAGCGATGTGAGCAG  
TCTCATCTGCGGATCAGTCTATCCTCGCTGATGCTCAGTGTGATAACACGCTGATGCC  
TAGTGAGCATTGCTGTGCTCGCATATAACCGCTGCTGCACTGATATGAGCCAGTGCTGC  
TGCTCTACGGAGTGTGCTCGCTATAACAGCGAGTGTACGGCTAAACTGGCTGT

CTAGAACTGTAGCTGGTGCATGTACTCGACTGCCGCTGCATCTACTATAAGACTCTG  
ACATTAGCGTATAAGGCTGATACATTAGCTCGGATGCTATCAGCTTGCCTATTATA  
TGCCTGACGCCGGATCTATCAGAACGACTCGTAGCTCATATACTGGATCACGGTGC  
CACAAACATGCTACACGAGGTCTCAGACTCTATCCCCTGGACTCAACGTGCATCTGCT  
ATGCTGAGCGCGTATCTGTGTACCTGTCCGATGCTCTGATCTACACTGCCGTGATCGT  
TATATGACGAGACTGTGCGCTCATAGCCGACACTGTGCTCGATAAGACCACGCTGTG  
CGGATATACTCGACCTAGTGCATCCTCGTGGCATCATGGCTCTCCTCAGTAGGTCTG  
CGACTGATCCTAGTGCAATGCGTCTGAGCCTGAGCTACAGCGATATAAGCTGGATTG  
TGAGCGTATTCGCTGTCAAGAACCTCAGCTCATGTATGATGCTGTACCATCCTGC  
GATACTGAAGATGCACCGCTATAATGCGAGGCTCTCCGCTAAAGTGGAAAGCTGCTC  
GTTCTGAATGCCAGCGAGTCGAATTCAATGCCGTAGCTGCGATAACGATGCCGTGA  
CTCTACGGTAATGCACGATCCTCTACATTGATAGCAGATAGTCTAACGGGATAGCAT  
AGGTGCAAGGCTCCTAGCATGTAGTCACAGGTGCTCAGATATAAGTCATCGCTGCAAT  
CAGCTAGTCATCTGTCAGGATGCTACTCACTGCGTGCAGAAGATTGCGACGACTTC  
AGAGGATGGCACTCGTCATTAGAGTGATGTTCTCGGATCGACACTGCTGGTCTGCGA  
ATGACTCGCATTCACTAACATGGAGCATCGTTATCTAAAGGGGATGCACGTTATCGT  
CGAGTGGCCGTATGCTATGCACTGCCCTATGTCTCATTAGCGAGTCGTATGTA  
TCATGTCGGGCTCGAATGTTGCACACGTCTGCGTAATGGTAGACCGCTAGTCCCACAT  
GGTGTTCGTAGCCACAAATGTCGTTAGGTAGACCGACGTTATGCCCTATACCGA  
TGTCAACCGCAGTTAGACCGTATCGTCCCCAGTGCCCTAAAGATGGTCAAGCGTGCCTC  
CTACGTTAGTATCAGTTCCCTATTGGTACGTCTGGCGTACTTCTGAAAACGTGATGGG  
CGGCTGGTTACCCGTATATGGGCTCGGTTGACCTCTATTGGCGTTGACCCgaatte  
egaaaaaaaaaaaaaaaaaaaaactcgagggctaccagatccccatactgagtcgttattta.

Claim 22 (original): A method of providing a control for an assay, said assay comprising providing labeled nucleic acid and hybridizing said labeled nucleic acid to a nucleic acid array, said method comprising spiking said labeled nucleic acid with labeled Tag gene nucleic acid, wherein said nucleic acid array has probes complementary to said Tag gene.

Claim 23 (original): A method according to claim 22 wherein said nucleic acid is RNA.

Claim 24 (original): A method according to claim 22 wherein said nucleic acid is DNA.

Claim 25 (currently amended): A method according to claim 22 wherein said Tag gene is selected from the group consisting of Tags A, B, C, D, E, F, G, H, I, J, N, O, Q, Tag IN, Tag IQ and Tag IQ-EX SEQ ID NOs. 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2059, 2060, 2061, 2062, 2063, 2064, 2065 and 2066.

Claim 26 (original): A method of analyzing the expression of one or more genes, said method comprising:

- (a) providing a pool of target nucleic acids comprising RNA transcripts of one or more of said genes, or nucleic acids derived therefrom using said RNA transcripts as templates;
- (b) providing a spike sample comprising RNA transcribed from a Tag gene or Tag nucleic acids derived from said Tag gene RNA using said Tag gene RNA as template;
- (c) hybridizing said pool of target nucleic acids and said spike sample to an array of oligonucleotide probes immobilized on a surface, said array comprising more than 100 different oligonucleotides, at least some of which comprise control probes and at least some of which comprise probes complementary to said Tag gene or said nucleic acid derived from said Tag gene RNA, wherein each different oligonucleotide is localized in a predetermined region of said surface, the density of said different oligonucleotides is greater than about 60 different oligonucleotides per 1 cm<sup>2</sup>, and at least some of said oligonucleotide probes are complementary to said RNA transcripts or said nucleic acids derived therefrom using said RNA transcripts;
- (d) quantifying the hybridization of said nucleic acids to said array, wherein said quantification is proportional to the expression level of said genes; and
- (e) quantifying the hybridization of said spike sample to said array.

Claim 27 (currently amended): A method according to claim 26 wherein said Tag gene is selected from the group consisting of ~~Tags A, B, C, D, E, F, G, H, I, J, N, O, Q, Tag IN, Tag IQ and Tag IQ.EX SEQ ID Nos. 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2059, 2060, 2061, 2062, 2063, 2064, 2065 and 2066.~~

Claim 28 (original): A DNA molecule comprising a Tag gene, said Tag gene comprising at least 5 Tag sequences or their complement.

Claim 29 (original): A DNA molecule according to claim 28 wherein said Tag sequences are selected from Seq. Id. Nos. 1-2050.

Claim 30 (currently amended): A DNA molecule according to claim 29 wherein said Tag gene sequences are selected from the group consisting of ~~Tags A, B, C, D, E, F, G, H, I, J, N, O, Q, Tag IN, Tag IQ and Tag IQ.EX SEQ ID Nos. 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2059, 2060, 2061, 2062, 2063, 2064, 2065 and 2066.~~